

FIG. 1A

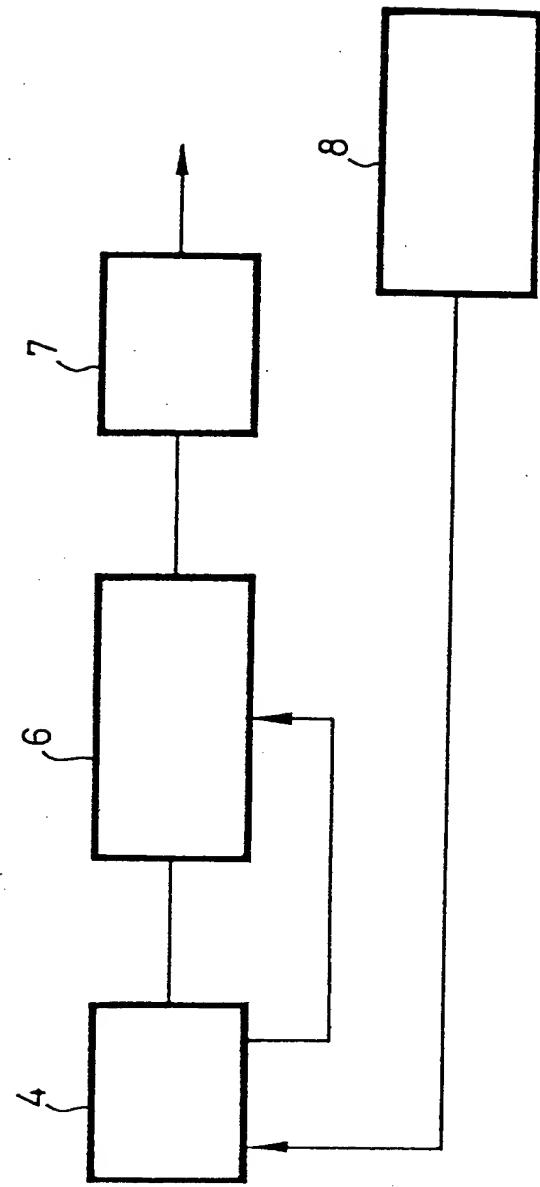


FIG. 1B

FIG. 2

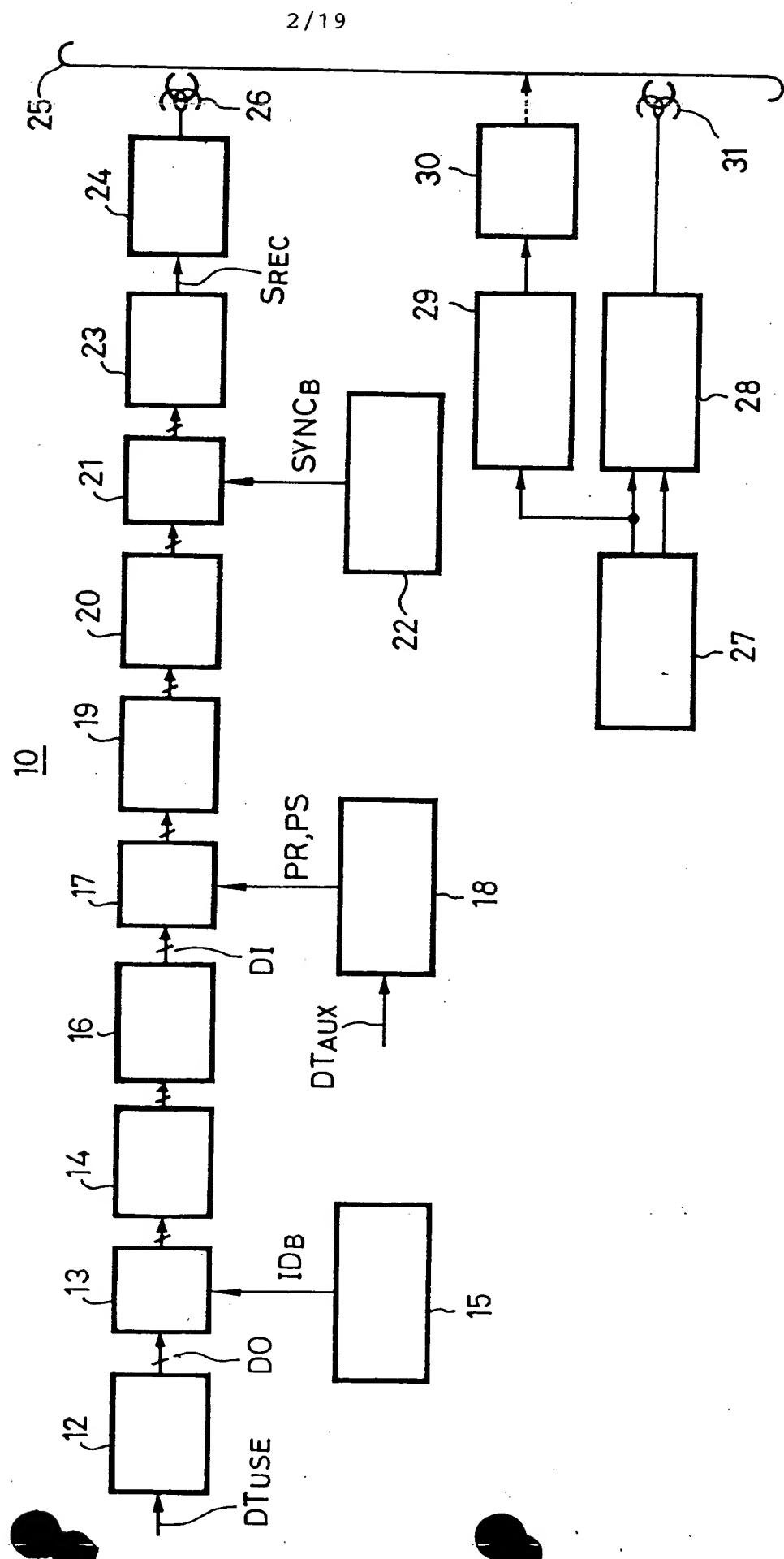


FIG. 3

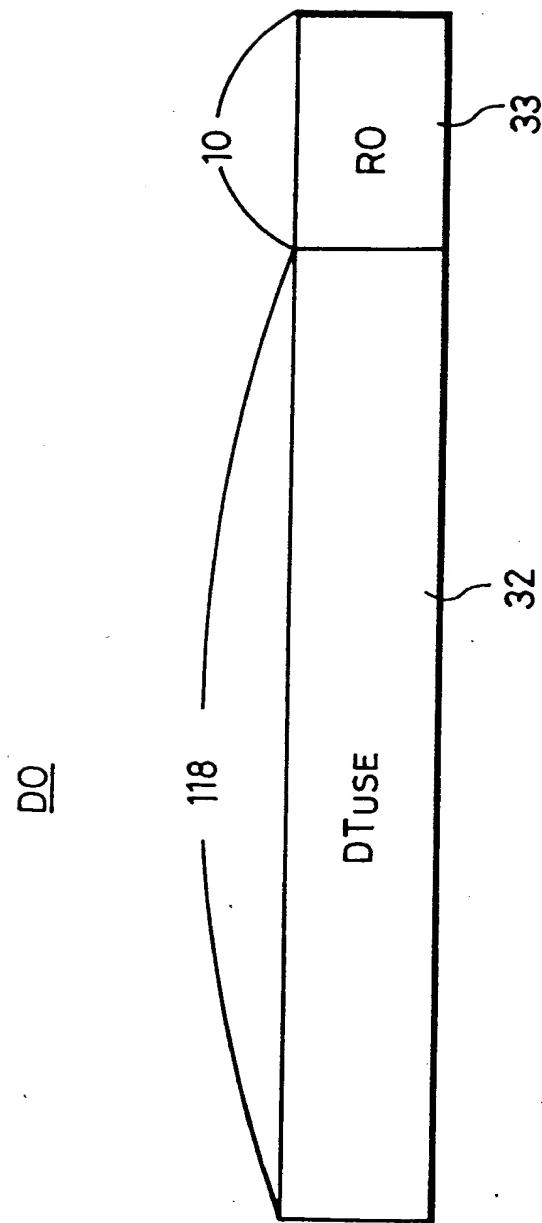


FIG. 4

MEM 1

MEM 2

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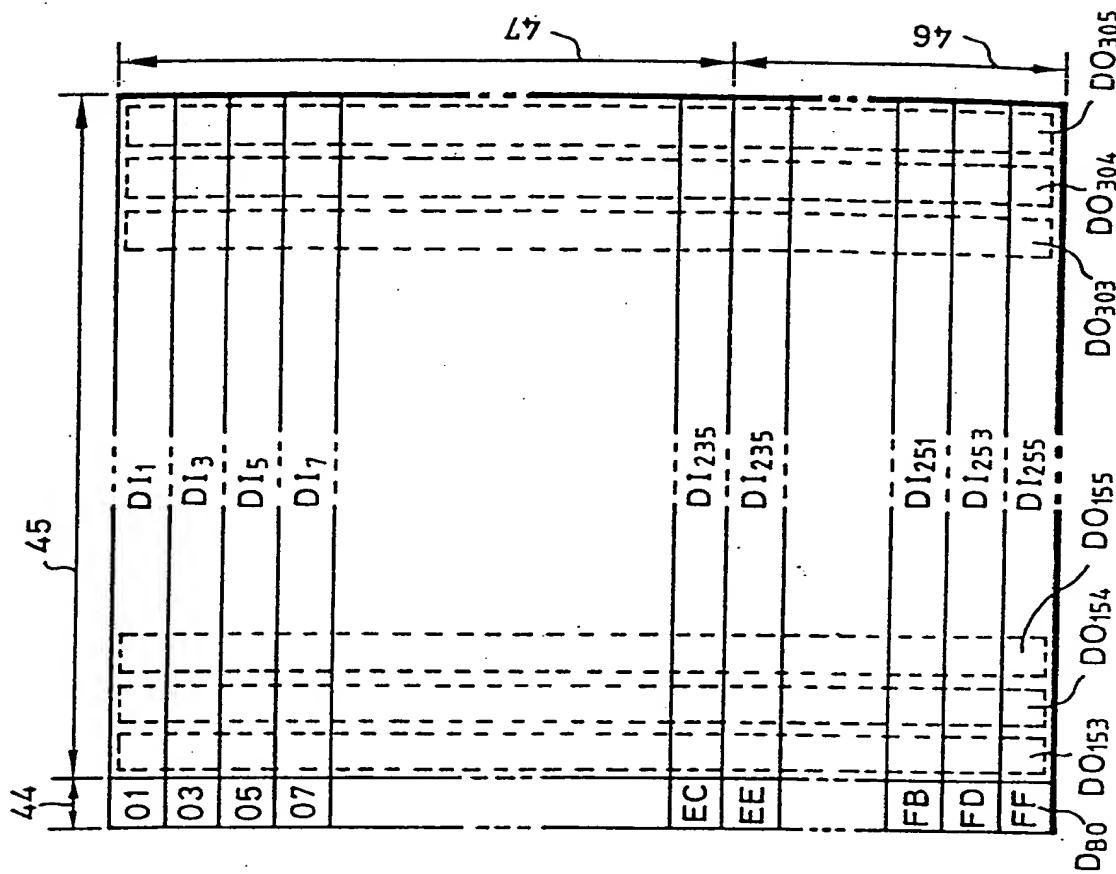
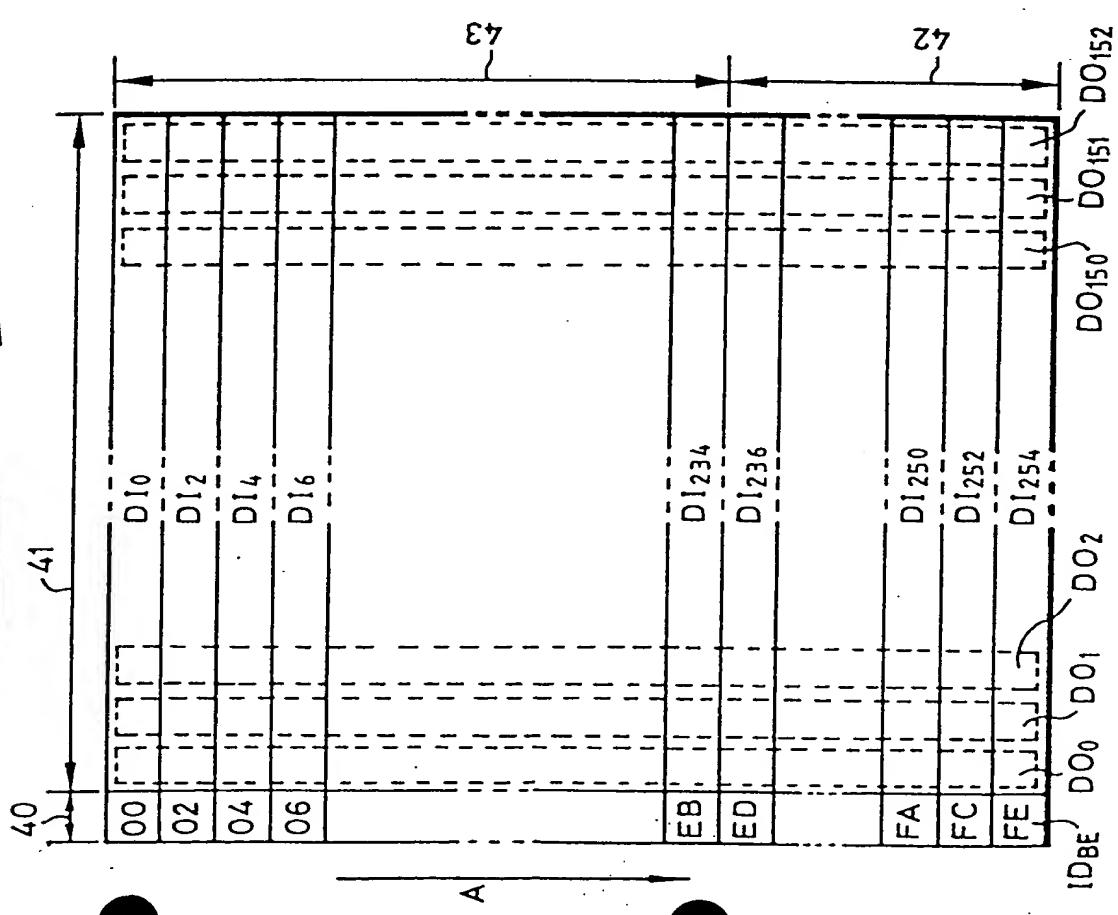
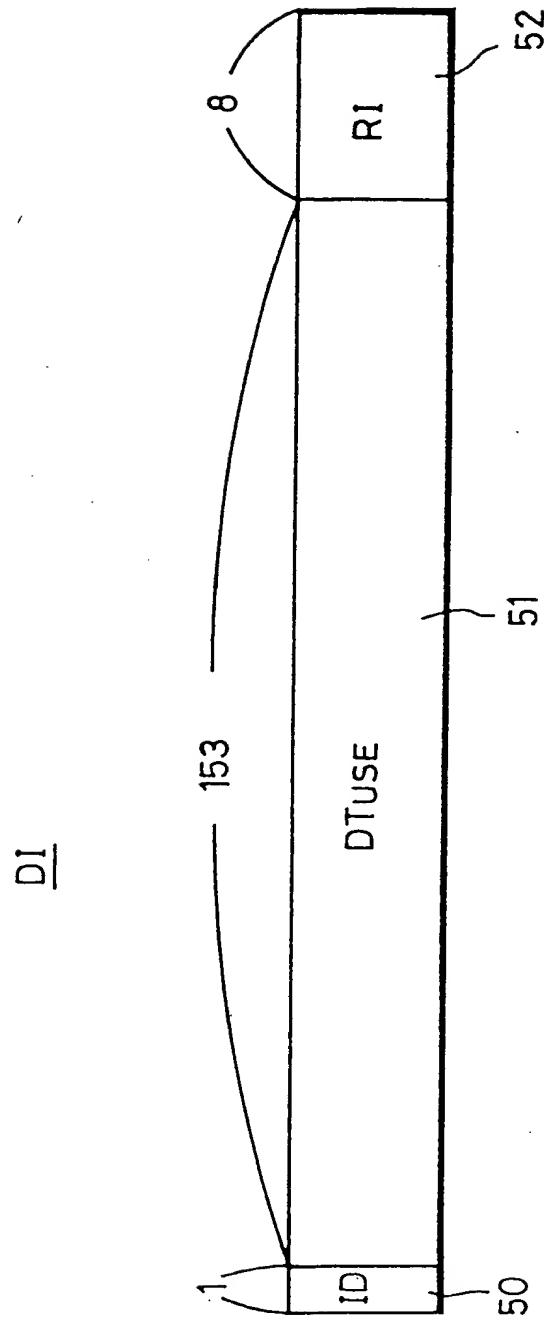


FIG. 5



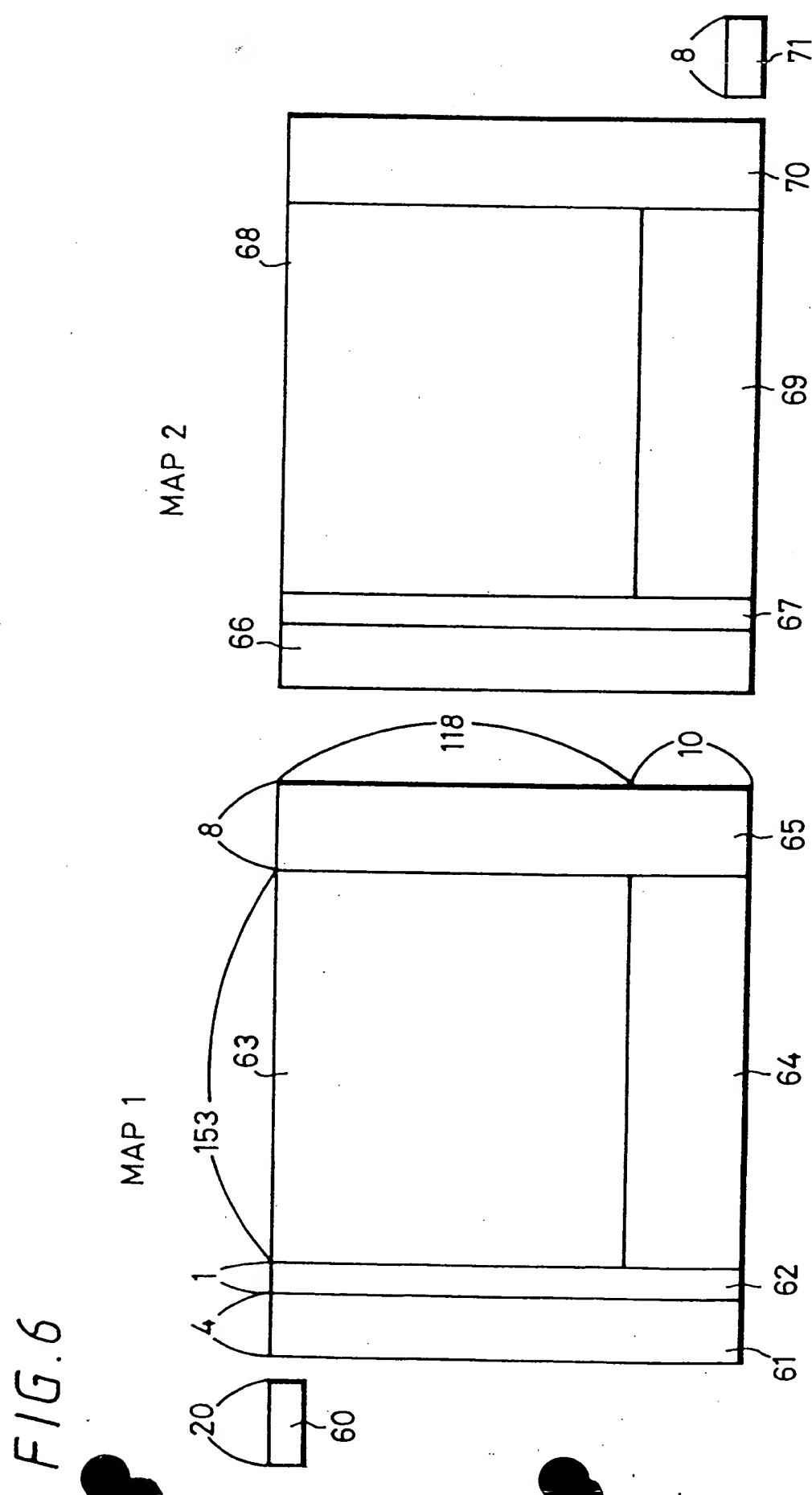


FIG. 7

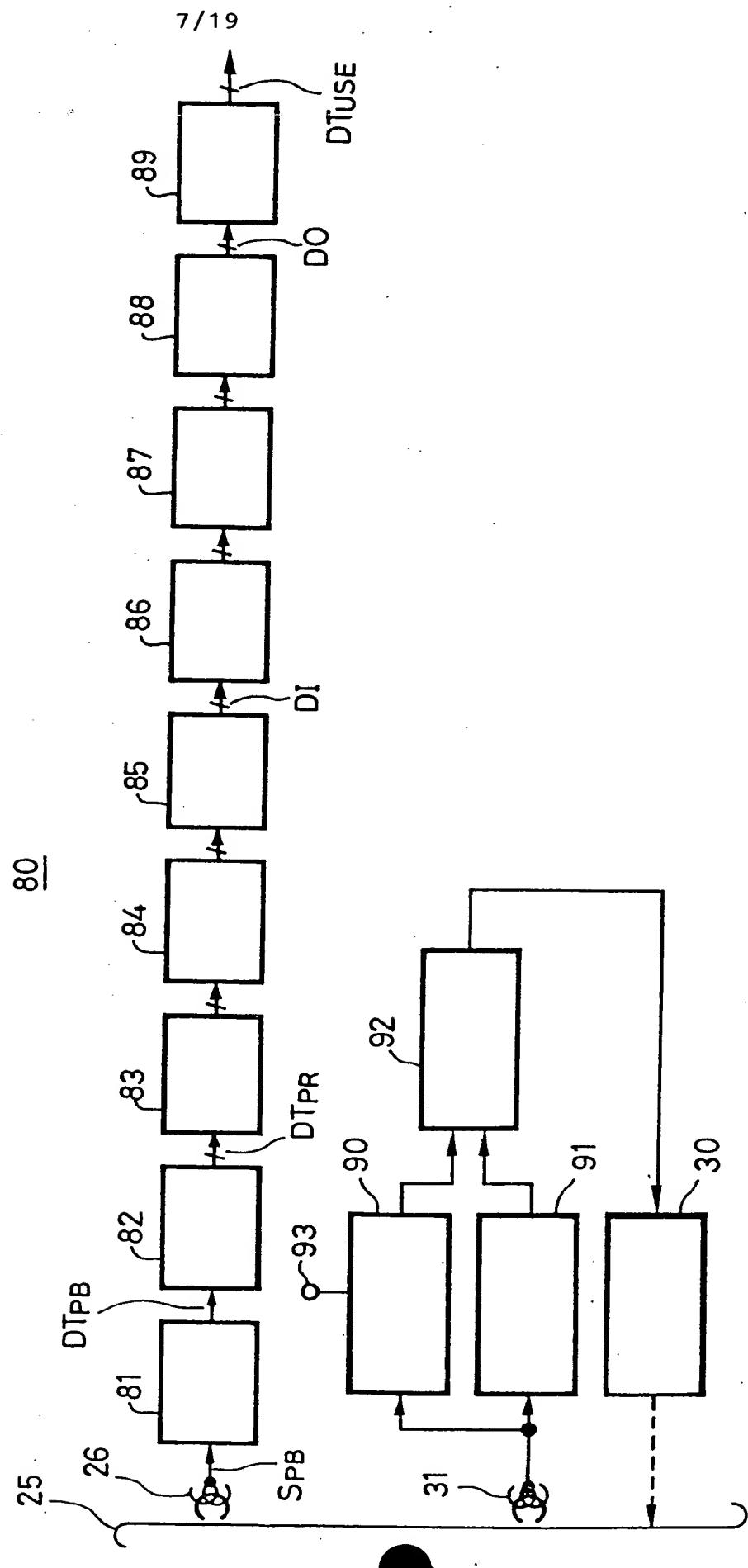


FIG. 8A



FIG. 8B

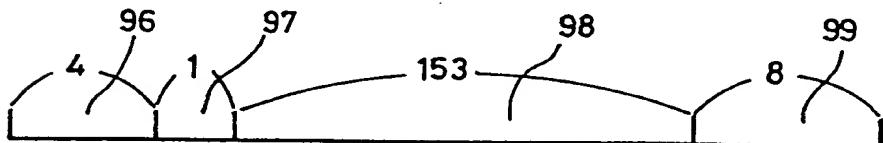


FIG. 9

Recording Rate of DIR-1000	Tape Travel Speed of DIR-1000 [mm/s]
1	423.8
1/2	211.9
1/4	105.9
1/8	53.0
1/16	26.5
1/24	17.7
1/32	13.2

FIG. 10

Compression Rate of Video Data (Upon use of a tape having a length of 1,330m)

Recording Time of DIR-1000

		Tape Travel Speed of DIR-1000 [mm/s]
100	1	211.9
200	1/2	105.9
400	1/4	53.0
800	1/8	26.5
1200	1/12	17.7
1600	1/16	13.2

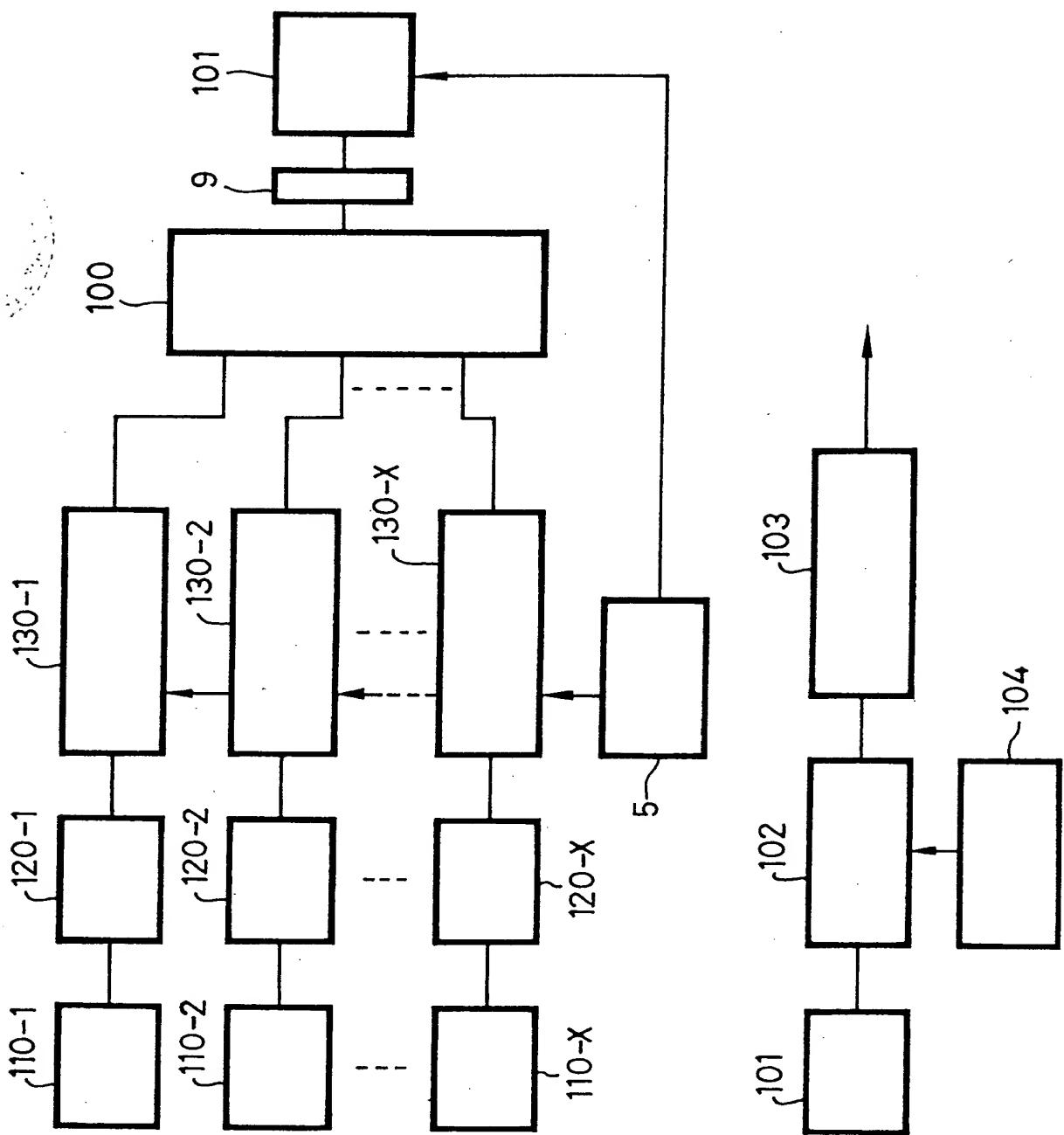


FIG. 11A

FIG. 11B

FIG. 12

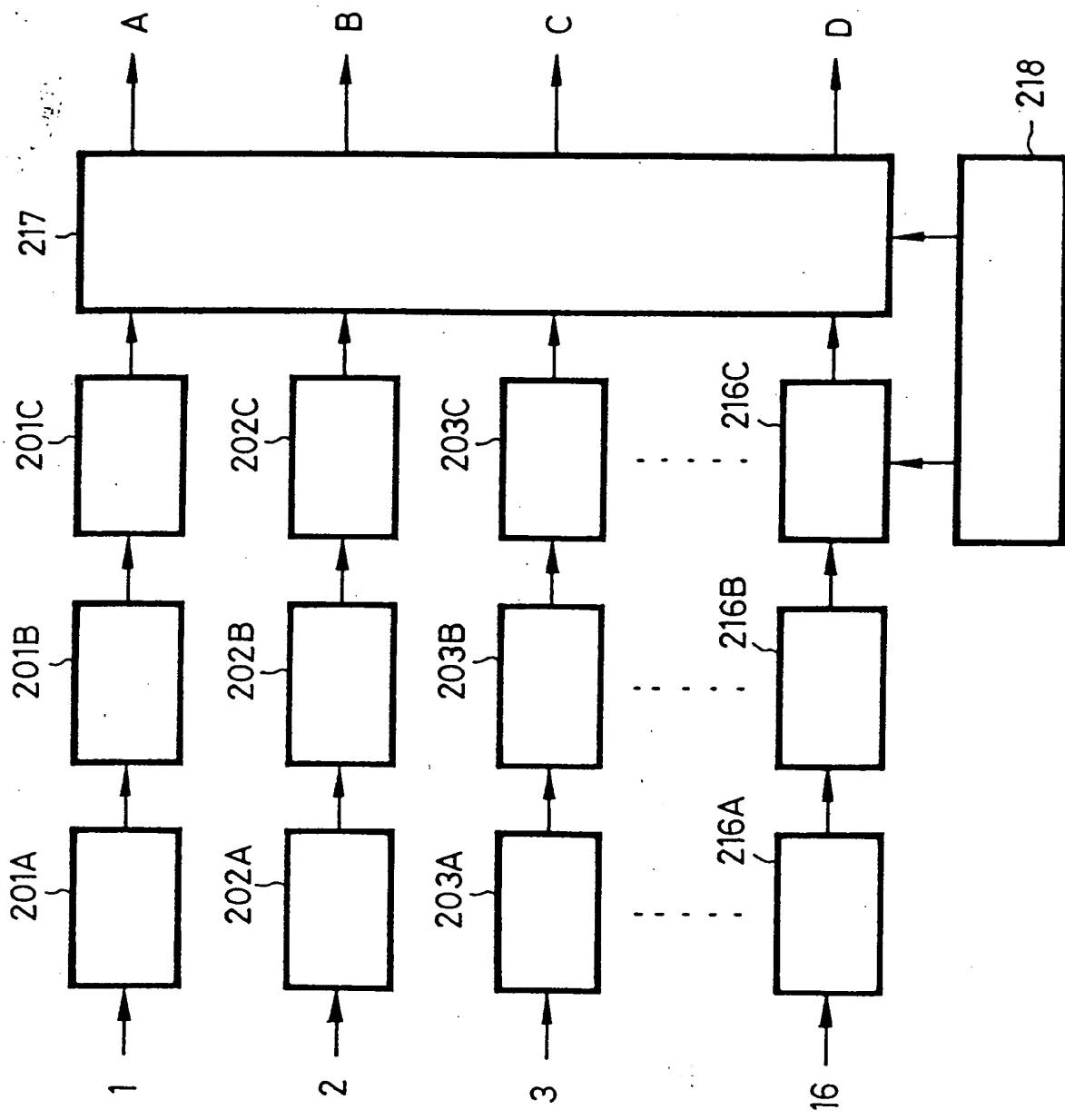


FIG. 13

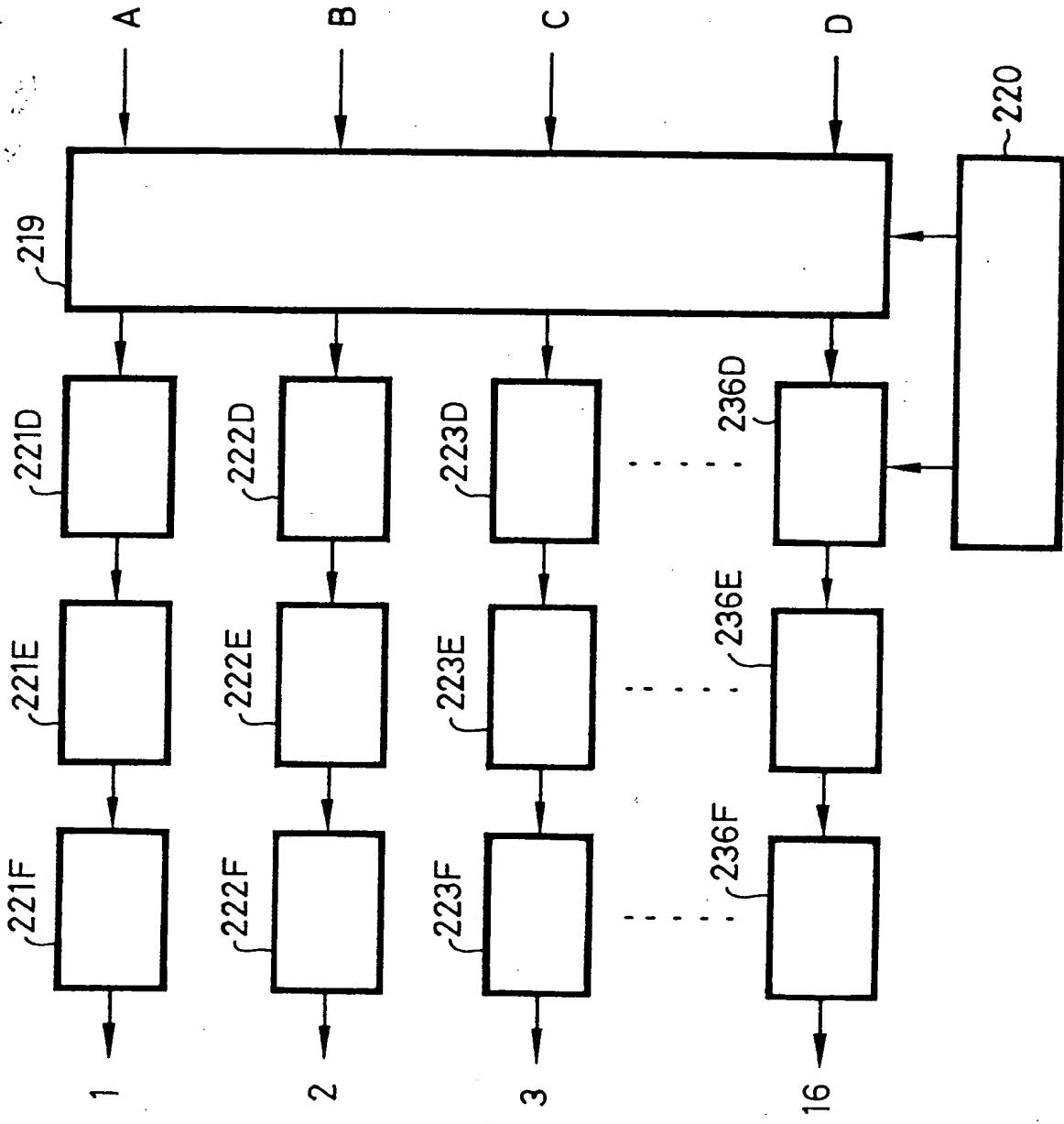


FIG. 15

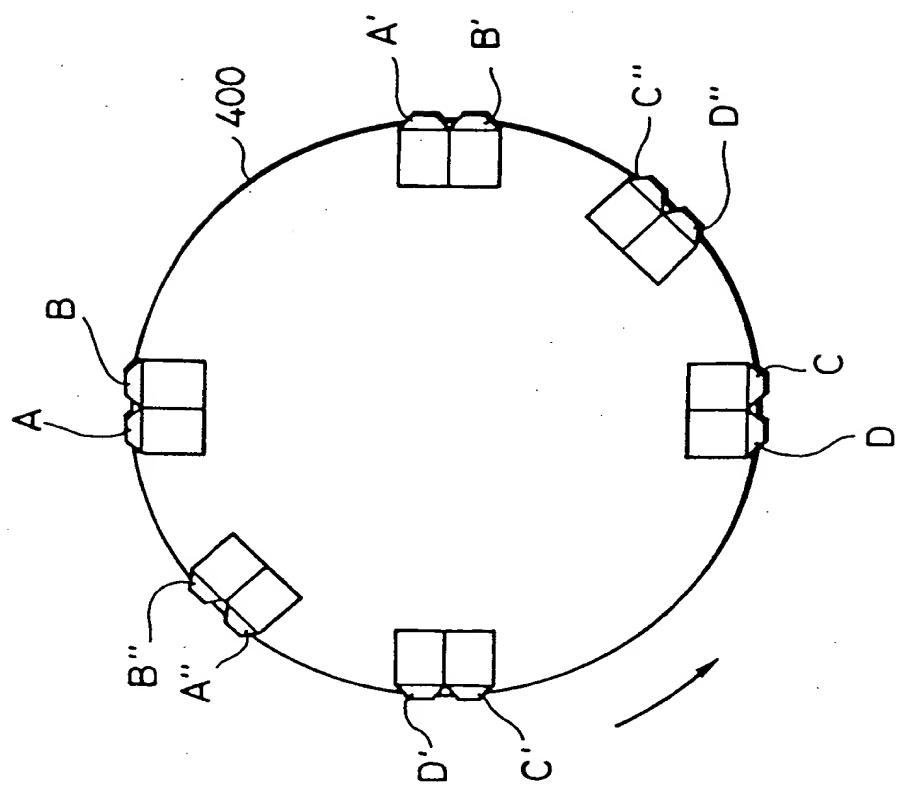


FIG. 17

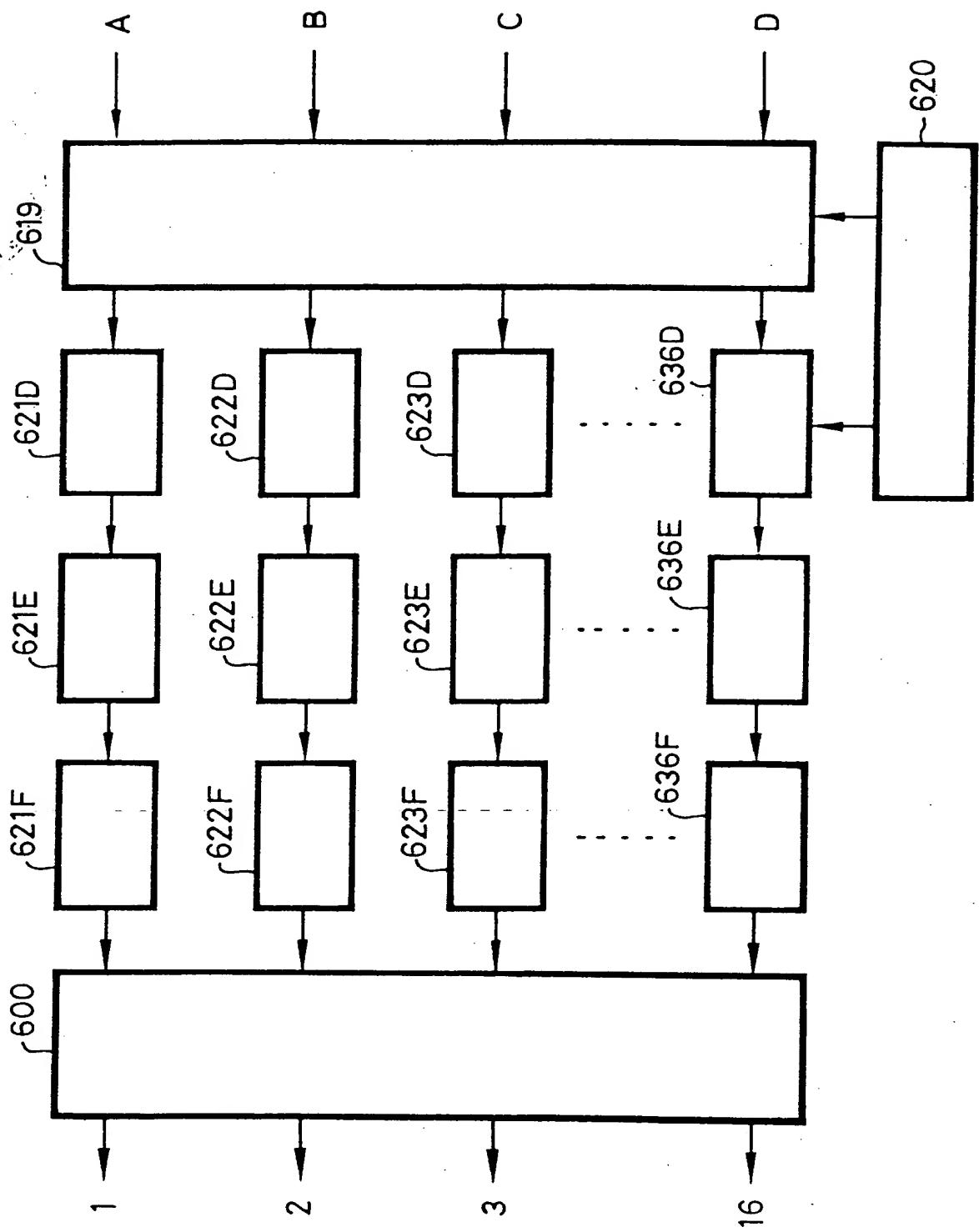


FIG.18

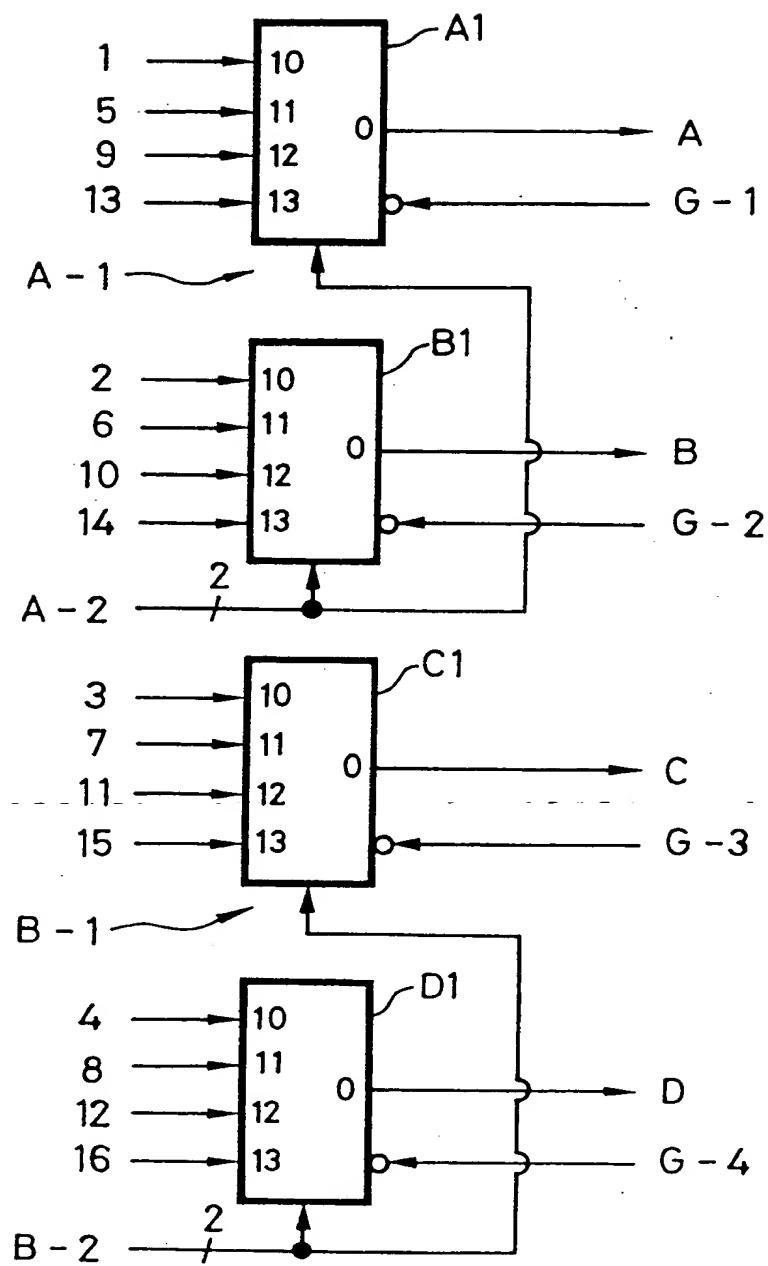
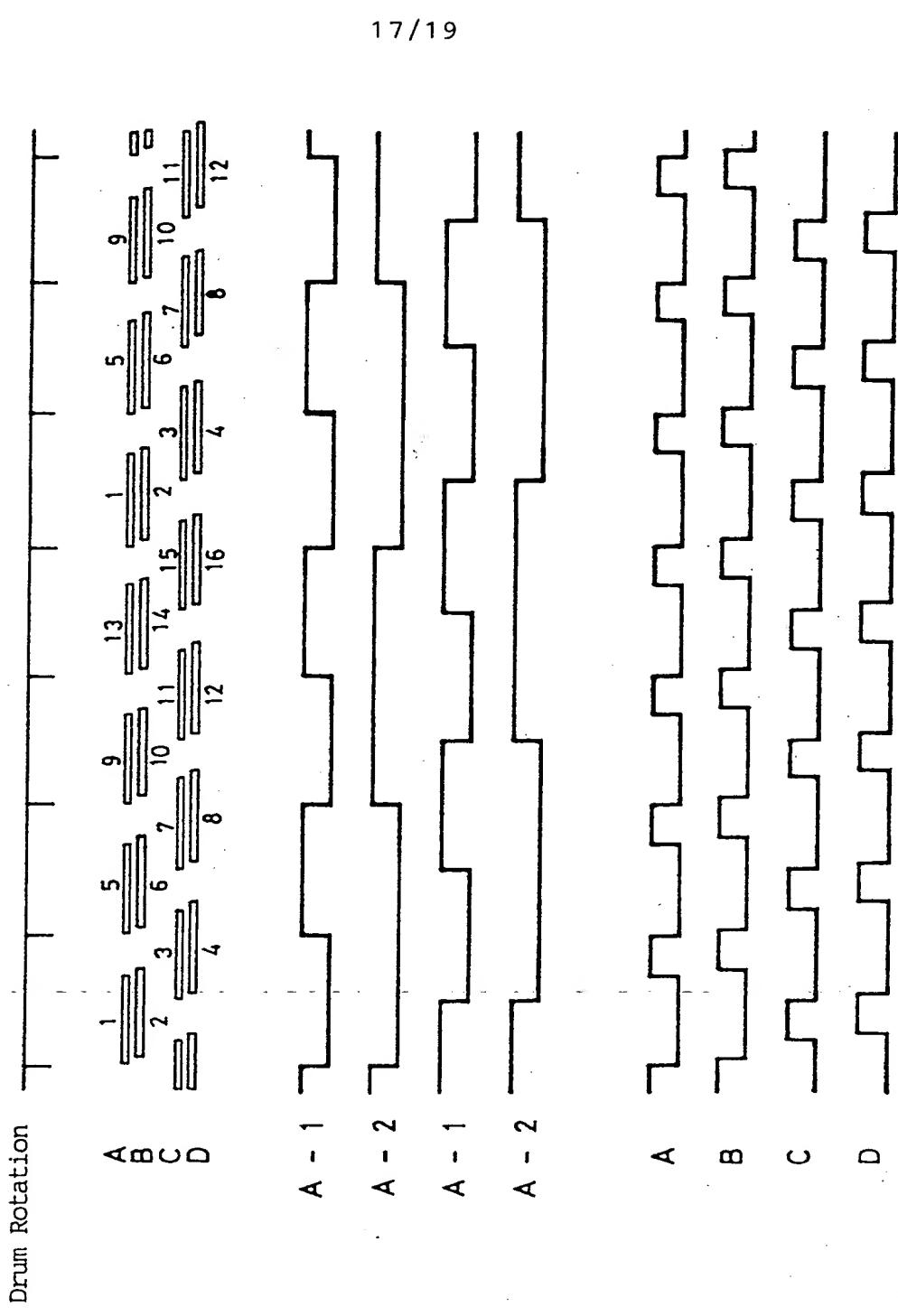
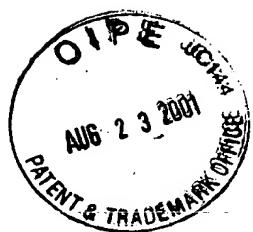


FIG. 19





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#### EXPLANATION OF REFERENCE NUMBERS

- 1 the source reproducing VTR
- 2 the A/D converter
- 3 the 1:N video-data compression encoder
- 4 the archive VTR
- 5 the device for inputting and setting the picture quality that the user desires
- 6 the 1:N video-data compression decoder
- 7 the D/A converter
- 8 the device for inputting and setting the channel that the user desires
- 9 the formatter
- 27 the control panel
- 28 the time code recording processing unit
- 29 the tape-speed control unit
- 30 the driver
- 31 the time code head
- 90 the tape-travel-speed and channel discriminating unit
- 91 the video-data compression rate discriminating circuit
- 92 the tape-travel-speed changing means
- 110-1, 110-2, 110-X the 1-inch omega VTRs
- 120-1, 120-2, 120-X the A/D converters
- 130-1, 130-2, 130-X the 1:N video-data compression encoders
- 100 the multiplexer
- 101 the archive VTR
- 102 the demultiplexer
- 103 the 1:N video-data compression decoder
- 104 the desired-reproduction-source setting device



201A, 202A, 203A, ..., 216A the video compression units  
201B, 202B, 203B, ..., 216B the encoding units  
201C, 202C, 203C, ..., 216C the memory units  
217 the signal control unit  
218 the recording-signal timing control unit  
A, B, C, D the recording heads  
A', B', C', D' the recording heads  
A", B", C", D" the erasing heads  
219 the signal dividing unit  
220 the reproduced-signal timing control unit  
221D, 222D, 223D, ..., 236D the memory units  
221E, 222E, 223E, ..., 236E the decoding units  
221F, 222F, 223F, ..., 236F the video expanding units  
300 the track  
400 the drum  
500 the track  
510 the track  
600 the signal synthesizing unit  
A1, B1, C1, D1 the recording signal selection unit  
A-1, B-1, A-2, B-2 the recording selection signals